

Register No.: Name:

SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS)

(AFFILIATED TO APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY, THIRUVANANTHAPURAM)

SIXTH SEMESTER INTEGRATED MCA DEGREE EXAMINATION (R), MAY 2023 (2020 SCHEME)

Course Code: 20IMCAT306

Course Name: Visual Programming

Max. Marks: 60

Duration: 3 Hours

PART A

(Answer all questions. Each question carries 3 marks)

1. Define CLR.
2. Write short note on class libraries.
3. List out the various scopes of variables.
4. How can you declare a variable in VB.net?
5. What is operator? List out the different operators in VB.net.
6. Differentiate pass by value and pass by reference.
7. Write a short note on forms in VB.net.
8. Comment on the ListBox control.
9. What is the use of Picture box control in VB.net?
10. With the help of an example, explain dataset in ADO.net.

PART B

(Answer one full question from each module, each question carries 6 marks)

MODULE I

11. Explain any four advantages of .Net Framework. (6)

OR

12. What are the components of the .Net framework? Explain. (6)

MODULE II

13. Summarize various datatypes available in VB.net. (6)

OR

14. Design a form to receive a number and write a program to check the number is prime or not. (6)

MODULE III

15. Explain array in VB.net with example. (6)

OR

16. Compare 'if-else' and 'select-case' with example. (6)

MODULE IV

17. Elaborate on MDI forms. (6)

OR

18. Write a short note on
- i. Textbox
 - ii. Checkbox
 - iii. Combobox.
- (6)

MODULE V

19. Explain ADO.net architecture with diagram. (6)

OR

20. Summarize the features of ADO.net. (6)
